



**Section 2. PLANT SURVIVAL**

**Attach plan sheet indicating reference photos.**

Identify specific problem areas (missing, stressed, damaged or dead plantings):

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Estimated causes, and proposed/required remedial action:\_\_\_\_\_

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ADDITIONAL COMMENTS: \_\_\_\_\_ The planted vegetation is surviving and the unapproved mowing of the buffer that was taking place has stopped. The planted vegetation consisted of black willow, silky dogwood, sycamore, green ash, white oak, pussy willow, and redtip dogwood. Other vegetation noted onsite consisted of goldenrod, *Juncus* sp., jewelweed, tear-thumb, ragweed, mimosa, pokeberry, briars, cutgrass, birch, and various grasses.

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If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.

### Section 3. CHANNEL STABILITY

**Visual Inspection:** The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. Physical measurements of channel stability/morphology will not be required. Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

This is the Year 2 Summer evaluation for the UT Hiwassee River stream relocation. A few of the crossvanes continue to have water piping under them and water is still piping under ground below the driveway culvert due to the blasting that took place during construction to relocate the stream. Some erosion exist at Sta. 15+00 as noted below. A permit modification was completed to relocate an additional 135 feet of stream at Site 11. Photo Point numbers 10 and 11 up and down stream, respectively show this additional 135 feet. This section of stream relocation is mainly bedrock. NCDOT will continue to monitor this stream relocation.

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Date Inspected 8/12/09	Station 13+20 PP#7 Upstream and Downstream Photo	Station 13+00 Additional Photo	Station 13+20 to 13+80 Between PP#5 and PP#7	Station 15+00 Additional Photo	Station Number
Structure Type	Crossvane	Crossvane		Crossvane	
Is water piping through or around structure?	Water piping under crossvane due to blasting that took place to relocate stream		Water bypassing stream bed underground where blasting took place		
Head cut or down cut present?					
Bank or scour erosion present?				Erosion on right bank at the right arm of a crossvane	
Other problems noted?		Header rock has been displaced but not affecting stream stability due to bed rock in channel			



# UT Hiwassee River



Photo Point #1 (Upstream)



Photo Point #1 (Downstream)



Photo Point #2 (Upstream)



Photo Point #2 (Downstream)



Photo Point #3 (Upstream)



Photo Point #3 (Downstream)

Year 2 Summer – August 2009



# UT Hiwassee River



Photo Point #4 (Upstream)



Photo Point #4 (Downstream)



Photo Point #5 (Upstream)



Photo Point #5 (Downstream)



Photo Point #6 (Upstream)



Photo Point #6 (Downstream)



# UT Hiwassee River



Photo Point #7 (Upstream)



Photo Point #7 (Downstream)



Photo Point #8 (Upstream)



Photo Point #8 (Downstream)



Photo Point #9 (Upstream)



Photo Point #9 (Downstream)

Year 2 Summer – August 2009



# UT Hiwassee River



Photo Point #10 (Upstream)



Photo Point #10 (Downstream)



Photo Point #11 (Upstream)



Photo Point #11 (Downstream)



Erosion @ Sta. 15+00

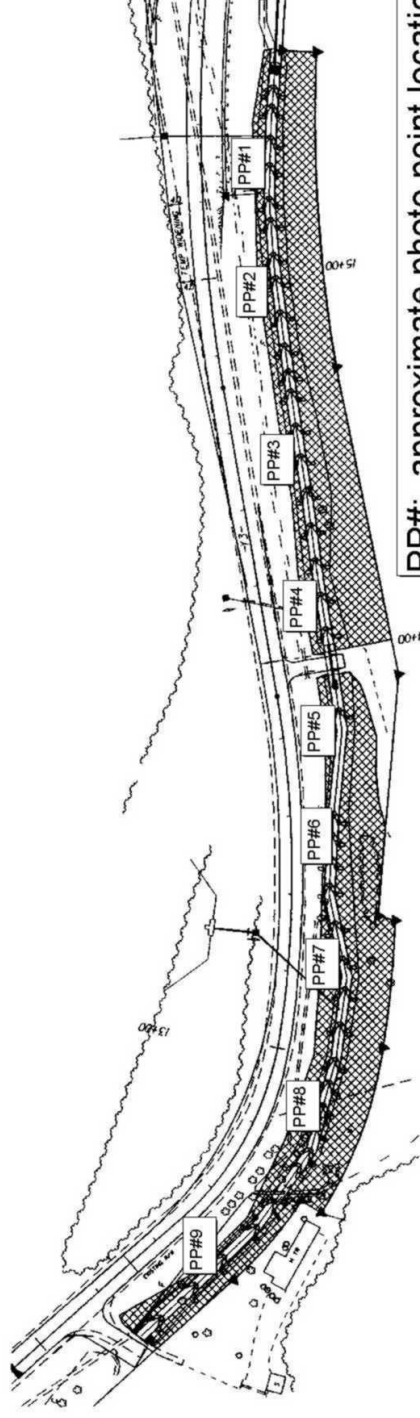


Crossvane w/ displaced header rock @ Sta. 13+00

Year 2 Summer – August 2009



UT Hiwassee River  
R-977A  
Cherokee County



PP#: approximate photo point locations



UT Hiwassee River  
PP: approximate photo point locations

